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Bizzack Construction, LLC  
~~Metso LT~~  
Metso LT120 #41.6002  
777-00139  
G40-C072A  
Lee



**Pike Technical Services, Inc.**  
183 Tollage Creek  
Pikeville, Kentucky 41501  
Phone: (606) 432-0300 or Fax: (606) 433-1820

October 5, 2016

WV DEP  
Division of Air Quality  
601 57<sup>th</sup> Street  
Charleston, WV 25304

Re: Bizzack Construction, LLC  
Portable Crusher #2  
Application for General Permit Registration  
G40-C – Nonmetallic Minerals Processing  
Relocation  
Plant ID No. 777-00137

To Whom It May Concern,

Please find attached one (1) original set and two (2) copy sets of an Application for General Permit Registration (G40-C – Nonmetallic Minerals Processing) for the Relocation of a Portable Crushing Unit to be utilized in Putnam and Mason County, West Virginia. The crushing operation will be conducted on US-35, a West Virginia Department of Transportation Project. If you should have any questions concerning this report, please contact me at (606) 432-0300 ext. 303.

Sincerely,

A handwritten signature in blue ink, reading "Ishmal Ratliff", written in a cursive style.

Ishmal Ratliff  
Senior Project Manager

ir



WEST VIRGINIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
DIVISION OF AIR QUALITY  
601 57<sup>th</sup> Street, SE  
Charleston, WV 25304

Phone: (304) 926-0475 • [www.dep.wv.gov/daq](http://www.dep.wv.gov/daq)

## APPLICATION FOR GENERAL PERMIT REGISTRATION

CONSTRUCT, MODIFY, RELOCATE OR  
ADMINISTRATIVELY UPDATE

A STATIONARY SOURCE OF AIR POLLUTANTS

- ☐ CONSTRUCTION    ☐ MODIFICATION    ☒ RELOCATION    ☐ CLASS I ADMINISTRATIVE UPDATE  
☐ CLASS II ADMINISTRATIVE UPDATE

### CHECK WHICH TYPE OF GENERAL PERMIT REGISTRATION YOU ARE APPLYING FOR:

- |   |  |
|---|--|
| <input type="checkbox"/> <b>G10-D</b> – Coal Preparation and Handling                                   | <input checked="" type="checkbox"/> <b>G40-C</b> – Nonmetallic Minerals Processing       |
| <input type="checkbox"/> <b>G20-B</b> – Hot Mix Asphalt   | <input type="checkbox"/> <b>G50-B</b> – Concrete Batch                                   |
| <input type="checkbox"/> <b>G30-D</b> – Natural Gas Compressor Stations                                 | <input type="checkbox"/> <b>G60-C</b> – Class II Emergency Generator                     |
| <input type="checkbox"/> <b>G33-A</b> – Spark Ignition Internal Combustion Engines                      | <input type="checkbox"/> <b>G65-C</b> – Class I Emergency Generator                      |
| <input type="checkbox"/> <b>G35-A</b> – Natural Gas Compressor Stations (Flare/Glycol Dehydration Unit) | <input type="checkbox"/> <b>G70-A</b> – Class II Oil and Natural Gas Production Facility |

### SECTION I. GENERAL INFORMATION

1. Name of applicant (as registered with the WV Secretary of State's Office):  Bizzack Construction, LLC		2. Federal Employer ID No. (FEIN):  20-3814182	
3. Applicant's mailing address:  3009 Atkinson Ave. Suite 200  Lexington, KY 40509		4. Applicant's physical address:  3009 Atkinson Ave. Suite 200  Lexington, KY 40509	
5. If applicant is a subsidiary corporation, please provide the name of parent corporation:			
6. <b>WV BUSINESS REGISTRATION.</b> Is the applicant a resident of the State of West Virginia? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO ⇨ IF <b>YES</b> , provide a copy of the Certificate of <b>Incorporation/ Organization / Limited Partnership</b> (one page) including any name change amendments or other Business Registration Certificate as <b>Attachment A</b> . ⇨ IF <b>NO</b> , provide a copy of the <b>Certificate of Authority / Authority of LLC / Registration</b> (one page) including any name change amendments or other Business Certificate as <b>Attachment A</b> .			

### SECTION II. FACILITY INFORMATION

7. Type of plant or facility (stationary source) to be constructed, modified, relocated or administratively updated (e.g., coal preparation plant, primary crusher, etc.):  Metso Lokotrack LT120 Portable Crushing Unit	8a. Standard Industrial Classification  Classification (SIC) code: 1429	AND	8b. North American Industry  System (NAICS) code: 212319
9. DAQ Plant ID No. (for existing facilities only):  7   7   7   _   0   0   1   3   7	10. List all current 45CSR13 and other General Permit numbers associated with this process (for existing facilities only):  _____ _____		

**A: PRIMARY OPERATING SITE INFORMATION**

<b>11A. Facility name of primary operating site:</b>  Bizzack Construction, LLC  US-35 - WV 869 to Mason CO 40	<b>12A. Address of primary operating site:</b>  Mailing: 36 Chafee Lane, Fraziers Bottom, WV 25082 Physical: 36 Chafee Lane, Fraziers Bottom, WV 25082	
<b>13A. Does the applicant own, lease, have an option to buy, or otherwise have control of the proposed site?</b> <span style="float: right;"><input checked="" type="checkbox"/> <b>YES</b>    <input type="checkbox"/> <b>NO</b></span> ⇒ IF <b>YES</b> , please explain: <u>Bizzack Construction has a construction contract with the West Virginia Dept. of Transportation to construct portions of US-35 in Mason and Putnam Co. The proposed location is within the</u> ⇒ IF <b>NO</b> , YOU ARE NOT ELIGIBLE FOR A PERMIT FOR THIS SOURCE. <u>right-of-way limits of this construction project.</u>		
<b>14A. ⇒ For Modifications or Administrative Updates</b> at an existing facility, please provide directions to the present location of the facility from the nearest state road; ⇒ For Construction or Relocation permits, please provide directions to the proposed new site location from the nearest state road. Include a <b>MAP</b> as <b>Attachment F</b> .  <u>The crushing unit will be located on the proposed US-35. A map has been included as Attachment F to show</u> <u>the location.</u>		
<b>15A. Nearest city or town:</b>  Buffalo, WV	<b>16A. County:</b> Putnam *Location will vary between Putnam and Mason County along the 15 miles of US-35 construction	<b>17A. UTM Coordinates:</b> Northing (KM): <u>4277041.80</u> Easting (KM): <u>414273.02</u> Zone: <u>17</u>
<b>18A. Briefly describe the proposed new operation or change (s) to the facility:</b>  The crushing unit is being utilized on the US-35 road project to crush sandstone.		<b>19A. Latitude &amp; Longitude Coordinates (NAD83, Decimal Degrees to 5 digits):</b> Latitude: <u>38.637778</u> Longitude: <u>-81.985</u>

**B: 1<sup>ST</sup> ALTERNATE OPERATING SITE INFORMATION (only available for G20, G40, & G50 General Permits)**

<b>11B. Name of 1<sup>st</sup> alternate operating site:</b>  _____  _____	<b>12B. Address of 1<sup>st</sup> alternate operating site:</b>  Mailing: _____ Physical: _____  _____
<b>13B. Does the applicant own, lease, have an option to buy, or otherwise have control of the proposed site?</b> <span style="float: right;"><input type="checkbox"/> <b>YES</b>    <input type="checkbox"/> <b>NO</b></span> ⇒ IF <b>YES</b> , please explain: _____ ⇒ IF <b>NO</b> , YOU ARE NOT ELIGIBLE FOR A PERMIT FOR THIS SOURCE. _____	
<b>14B. ⇒ For Modifications or Administrative Updates</b> at an existing facility, please provide directions to the present location of the facility from the nearest state road; ⇒ For Construction or Relocation permits, please provide directions to the proposed new site location from the nearest state road. Include a <b>MAP</b> as <b>Attachment F</b> .  _____  _____  _____	

15B. Nearest city or town:	16B. County:	17B. UTM Coordinates: Northing (KM): _____ Easting (KM): _____ Zone: _____
18B. Briefly describe the proposed new operation or change (s) to the facility:		19B. Latitude & Longitude Coordinates (NAD83, Decimal Degrees to 5 digits): Latitude: _____ Longitude: _____

**C: 2<sup>ND</sup> ALTERNATE OPERATING SITE INFORMATION (only available for G20, G40, & G50 General Permits):**

11C. Name of 2 <sup>nd</sup> alternate operating site: _____ _____	12C. Address of 2 <sup>nd</sup> alternate operating site: Mailing: _____ Physical: _____ _____	
13C. Does the applicant own, lease, have an option to buy, or otherwise have control of the proposed site? <input type="checkbox"/> YES <input type="checkbox"/> NO ⇨ IF YES, please explain: _____ _____ ⇨ IF NO, YOU ARE NOT ELIGIBLE FOR A PERMIT FOR THIS SOURCE.		
14C. ⇨ For <b>Modifications or Administrative Updates</b> at an existing facility, please provide directions to the present location of the facility from the nearest state road; ⇨ For Construction or Relocation permits, please provide directions to the proposed new site location from the nearest state road. Include a <b>MAP</b> as Attachment F. _____ _____ _____		
15C. Nearest city or town:	16C. County:	17C. UTM Coordinates: Northing (KM): _____ Easting (KM): _____ Zone: _____
18C. Briefly describe the proposed new operation or change (s) to the facility:		19C. Latitude & Longitude Coordinates (NAD83, Decimal Degrees to 5 digits): Latitude: _____ Longitude: _____
20. Provide the date of anticipated installation or change: _____ 11 / 01 / 16 _____ If this is an <b>After-The-Fact</b> permit application, provide the date upon which the proposed change did happen: : _____ / _____ / _____		21. Date of anticipated Start-up if registration is granted: _____ 11 / 01 / 16 _____
22. Provide maximum projected <b>Operating Schedule</b> of activity/activities outlined in this application if other than 8760 hours/year. (Note: anything other than 24/7/52 may result in a restriction to the facility's operation). Hours per day <u>10</u> Days per week <u>5</u> Weeks per year <u>20</u> Percentage of operation <u>75%</u>		

**SECTION III. ATTACHMENTS AND SUPPORTING DOCUMENTS**

23. Include a check payable to WVDEP – Division of Air Quality with the appropriate **application fee** (per 45CSR22 and 45CSR13).

24. Include a **Table of Contents** as the first page of your application package.

**All of the required forms and additional information can be found under the Permitting Section (General Permits) of DAQ's website, or requested by phone.**

25. Please check all attachments included with this permit application. Please refer to the appropriate reference document for an explanation of the attachments listed below.

- ☒ ATTACHMENT A : CURRENT BUSINESS CERTIFICATE
- ☒ ATTACHMENT B: PROCESS DESCRIPTION
- ☒ ATTACHMENT C: DESCRIPTION OF FUGITIVE EMISSIONS
- ☒ ATTACHMENT D: PROCESS FLOW DIAGRAM
- ☐ ATTACHMENT E: PLOT PLAN
- ☒ ATTACHMENT F: AREA MAP
- ☒ ATTACHMENT G: EQUIPMENT DATA SHEETS AND REGISTRATION SECTION APPLICABILITY FORM
- ☐ ATTACHMENT H: AIR POLLUTION CONTROL DEVICE SHEETS
- ☒ ATTACHMENT I: EMISSIONS CALCULATIONS
- ☒ ATTACHMENT J: CLASS I LEGAL ADVERTISEMENT
- ☐ ATTACHMENT K: ELECTRONIC SUBMITTAL
- ☒ ATTACHMENT L: GENERAL PERMIT REGISTRATION APPLICATION FEE
- ☐ ATTACHMENT M: SITING CRITERIA WAIVER
- ☐ ATTACHMENT N: MATERIAL SAFETY DATA SHEETS (MSDS)
- ☐ ATTACHMENT O: EMISSIONS SUMMARY SHEETS
- ☐ OTHER SUPPORTING DOCUMENTATION NOT DESCRIBED ABOVE (Equipment Drawings, Aggregation Discussion, etc.)

Please mail an original and two copies of the complete General Permit Registration Application with the signature(s) to the DAQ Permitting Section, at the address shown on the front page of this application. Please **DO NOT** fax permit applications. For questions regarding applications or West Virginia Air Pollution Rules and Regulations, please refer to the website shown on the front page of the application or call the phone number also provided on the front page of the application.

#### SECTION IV. CERTIFICATION OF INFORMATION

This General Permit Registration Application shall be signed below by a Responsible Official. A Responsible Official is a President, Vice President, Secretary, Treasurer, General Partner, General Manager, a member of a Board of Directors, or Owner, depending on business structure. A business may certify an Authorized Representative who shall have authority to bind the Corporation, Partnership, Limited Liability Company, Association, Joint Venture or Sole Proprietorship. Required records of daily throughput, hours of operation and maintenance, general correspondence, Emission Inventory, Certified Emission Statement, compliance certifications and all required notifications must be signed by a Responsible Official or an Authorized Representative. If a business wishes to certify an Authorized Representative, the official agreement below shall be checked off and the appropriate names and signatures entered. Any administratively incomplete or improperly signed or unsigned Registration Application will be returned to the applicant.

FOR A CORPORATION (domestic or foreign)

☐ I certify that I am a President, Vice President, Secretary, Treasurer or in charge of a principal business function of the corporation

FOR A PARTNERSHIP

☐ I certify that I am a General Partner

FOR A LIMITED LIABILITY COMPANY

☒ I certify that I am a ~~General Partner or General Manager~~ Vice President & Director

FOR AN ASSOCIATION

☐ I certify that I am the President or a member of the Board of Directors

FOR A JOINT VENTURE

☐ I certify that I am the President, General Partner or General Manager

FOR A SOLE PROPRIETORSHIP

☐ I certify that I am the Owner and Proprietor

☐ I hereby certify that (please print or type) \_\_\_\_\_  
is an Authorized Representative and in that capacity shall represent the interest of the business (e.g., Corporation, Partnership, Limited Liability Company, Association Joint Venture or Sole Proprietorship) and may obligate and legally bind the business. If the business changes its Authorized Representative, a Responsible Official shall notify the Director of the Office of Air Quality immediately, and/or,

I hereby certify that all information contained in this General Permit Registration Application and any supporting documents appended hereto is, to the best of my knowledge, true, accurate and complete, and that all reasonable efforts have been made to provide the most comprehensive information possible

Signature \_\_\_\_\_

(please use blue ink)

Responsible Official

Date

Name & Title \_\_\_\_\_

(please print or type)

Lester Wimpy, Vice President

Signature \_\_\_\_\_

(please use blue ink)

Authorized Representative (if applicable)

Date

Applicant's Name \_\_\_\_\_

Bizzack Construction, LLC

Phone & Fax \_\_\_\_\_

859-299-8001

Phone

859-299-0480

Fax

Email \_\_\_\_\_

lwimpy@bizzackconstruction.com

**Bizzack Construction, LLC**  
**3009 Atkinson Ave.**  
**Suite 200**  
**Lexington, KY 40509**  
**859-299-8001**

**Application for General Permit Registration**  
**G40-C Nonmetallic Minerals Processing**

**Attachment A:**  
**Current Business Certificate**

**WEST VIRGINIA  
STATE TAX DEPARTMENT  
BUSINESS REGISTRATION  
CERTIFICATE**

ISSUED TO:  
**BIZZACK CONSTRUCTION LLC  
2265 EXECUTIVE DR  
LEXINGTON, KY 40505-4809**

**BUSINESS REGISTRATION ACCOUNT NUMBER: 1010-8586**

This certificate is issued on: 06/27/2011

*This certificate is issued by  
the West Virginia State Tax Commissioner  
in accordance with Chapter 11, Article 12, of the West Virginia Code*

*The person or organization identified on this certificate is registered  
to conduct business in the State of West Virginia at the location above.*

This certificate is not transferrable and must be displayed at the location for which issued.  
This certificate shall be permanent until cessation of the business for which the certificate of registration  
was granted or until it is suspended, revoked or cancelled by the Tax Commissioner.

Change in name or change of location shall be considered a cessation of the business and a new  
certificate shall be required.

**TRAVELING/STREET VENDORS:** Must carry a copy of this certificate in every vehicle operated by them.  
**CONTRACTORS, DRILLING OPERATORS, TIMBER/LOGGING OPERATIONS:** Must have a copy of  
this certificate displayed at every job site within West Virginia.



## Certificate

*I, Natalie E. Tennant, Secretary of State of the  
State of West Virginia, hereby certify that*

**BIZZACK CONSTRUCTION, LLC**

was duly authorized under the laws of this state to transact business in West Virginia as  
a foreign limited liability company on December 29, 2005.

The company is filed as an at-will company, for an indefinite period.

I further certify that the LLC (PLLC) has not been revoked by the State of West  
Virginia nor has a Certificate of Cancellation been issued.

Therefore, I hereby issue this

## CERTIFICATE OF AUTHORIZATION

Validation ID:4WV8D\_XD8ND



*Given under my hand and the  
Great Seal of the State of  
West Virginia on this day of  
October 28, 2013*

*Natalie E. Tennant*  
Secretary of State

Notice: A certificate issued electronically from the West Virginia Secretary of State's Web site is fully and immediately valid and effective. However, as an option, the issuance and validity of a certificate obtained electronically may be established by visiting the Certificate Validation Page of the Secretary of State's Web site, <https://apps.wv.gov/sos/businesscenter/research/validate.aspx>, entering the validation ID displayed on the certificate, and following the instructions displayed. Confirming the issuance of a certificate is merely optional and is not necessary to the valid and effective issuance of a certificate.

**Commonwealth of Kentucky**  
**Elaine N. Walker, Secretary of State**

Elaine N. Walker  
Secretary of State  
P. O. Box 718  
Frankfort, KY 40602-0718  
(502) 564-3490  
<http://www.sos.ky.gov>

**Certificate of Existence**

Authentication number: 114226  
Visit <https://app.sos.ky.gov/fishow/certvalidate.aspx> to authenticate this certificate.

I, Elaine N. Walker, Secretary of State of the Commonwealth of Kentucky, do hereby certify that according to the records in the Office of the Secretary of State,

**BIZZACK CONSTRUCTION, LLC**

is a limited liability company duly organized and existing under KRS Chapter 14A and KRS Chapter 275, whose date of organization is October 21, 2005 and whose period of duration is perpetual.

I further certify that all fees and penalties owed to the Secretary of State have been paid; that articles of dissolution have not been filed; and that the most recent annual report required by KRS 14A.6-010 has been delivered to the Secretary of State.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my Official Seal at Frankfort, Kentucky, this 2<sup>nd</sup> day of June, 2011, in the 220<sup>th</sup> year of the Commonwealth.



*Elaine N. Walker*

Elaine N. Walker  
Secretary of State  
Commonwealth of Kentucky  
114226/0624128

**Bizzack Construction, LLC**  
**3009 Atkinson Ave.**  
**Suite 200**  
**Lexington, KY 40509**  
**859-299-8001**

**Application for General Permit Registration**  
**G40-C Nonmetallic Minerals Processing**

**Attachment B:**

**Metso Lokotrack LT120 Portable Crushing Unit Process Description**

The purpose of this Application for General Permit Registration is to set up a portable rock crushing unit to crush rock from the roadway excavation of US-35 in Putnam and Mason County, West Virginia. This processed rock will be used on the project as subgrade for paving activities.

The portable crushing unit will receive its' power to operate from an electric generator, powered by a CAT C13 ACERT Industrial Engine, Tier 4 Final, Stage IV Technology. The CAT C13 ACERT Industrial Engine is designed to meet U.S. EPA Tier 4 Final, EU Stage IV emission standards.

The process will begin with a dozer pushing the roadway excavation to the surge pile (1). A water truck will provide dust suppression for the haul road and surge pile. A hydraulic excavator will transfer the shot rock from the surge pile to the portable crusher feeder hopper (2). The feeder hopper feeds the shot rock into the jaw crusher (3). The material will go from the jaw crusher onto the main product conveyor (7) and side conveyor (4). A factory installed water spray bar will provide dust suppression for the main product conveyor. From the conveyors, the processed rock will go to the stockpiles (5 & 8). A water truck will provide dust suppression for the stockpiles. The processed rock will be stockpiled for use at a later date.

**Bizzack Construction, LLC  
3009 Atkinson Ave.  
Suite 200  
Lexington, KY 40509  
859-299-8001**

**Application for General Permit Registration  
G40-C Nonmetallic Minerals Processing**

**Attachment C:  
Portable Crushing Unit Description of Fugitive Emissions**

The sources and potential sources of fugitive particulate emissions are as follows:

- Pushing to Surge Pile
- Surge Pile
- Feeding Vibrating Grizzly Feeder Receiving Hopper
- Vibrating Grizzly Feeder
- Jaw Crusher
- 26" Side Conveyor
- 47" Main Conveyor
- Dumping from Conveyors to Stockpiles
- Stockpiles

The primary fugitive dust control equipment will be a 2,000 gallon water truck. The water truck will be used primarily to control fugitive particulate emissions on the haul roads, and stock piles. By wetting the material in the surge pile and stock piles, fugitive particulate emissions will also be controlled at the feeder hopper, jaw crusher and conveyors by moisture carry over. The water truck has a maximum application rate of approximately 150 gallons per hour and the application frequency will depend on environmental conditions. The frequency will vary from zero during rainy conditions to approximately four to five applications per day during extremely dry conditions. In addition to the water truck, a factory installed spray bar on the main product conveyor will also be used. This spray system has a maximum application rate of approximately 26 gallons per hour. Again the frequency rate will vary depending upon environmental conditions. The spray bar will be used very little during rainy conditions and continuously during extremely dry conditions.

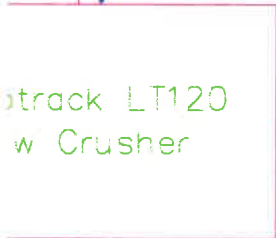
**Bizzack Construction, LLC  
3009 Atkinson Ave.  
Suite 200  
Lexington, KY 40509  
859-299-8001**

**Application for General Permit Registration  
G40-C Nonmetallic Minerals Processing**

**Attachment D:  
Process Flow Diagram**

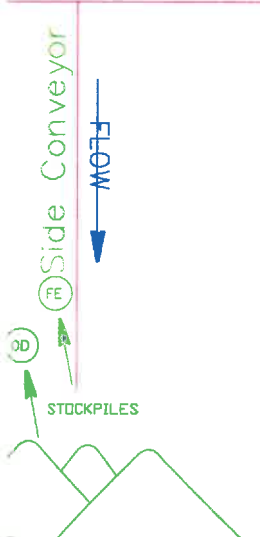
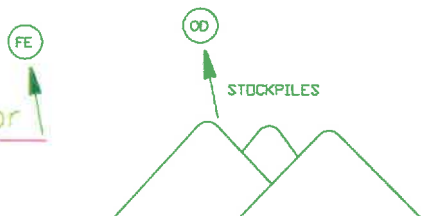
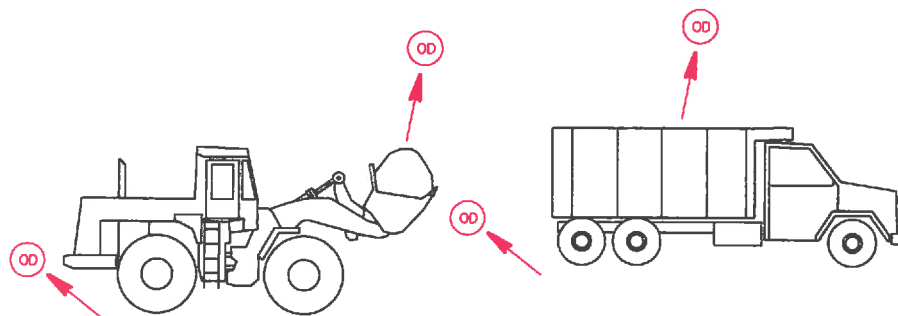


FLOW



Main Conveyor

FLOW



PIKE TECHNICAL SERVICES, INC.

PTSI

183 TOLLAGE CREEK PIKEVILLE, KY 41501

PHONE: (606) 432-0300 FAX: (606) 433-1820

PTSI

COMPANY: BIZZACK CONSTRUCTION, LLC

TITLE: PORTABLE CRUSHER NO.2 TYPICAL FLOW DIAGRAM

SCALE: NTS

DR. BY: IR/LS DATE: 10-3-2016

**Bizzack Construction, LLC  
3009 Atkinson Ave.  
Suite 200  
Lexington, KY 40509  
859-299-8001**

**Application for General Permit Registration  
G40-C Nonmetallic Minerals Processing**

**Attachment F:  
Area Map**


# Bizzack Construction, LLC

Application for General Permit Registration G40-C  
Nonmetallic Minerals Processing

Attachment F:  
Area Map

Latitude: 38.637773  
Longitude: -81.985

## Legend

 Portable Crushing Unit No. 2

N38°42'36"

N38°41'24"

N38°40'12"

Grimms Landing

 Portable Crushing Unit No. 2

Buffalo

Google earth

3 mi



**Bizzack Construction, LLC  
3009 Atkinson Ave.  
Suite 200  
Lexington, KY 40509  
859-299-8001**

**Application for General Permit Registration  
G40-C Nonmetallic Minerals Processing**

**Attachment G:  
Affected Source Sheets**

## CRUSHING AND SCREENING AFFECTED SOURCE SHEET

Source Identification Number <sup>1</sup>		CR-1					
Type of Crusher or Screen <sup>2</sup>		JC					
Make, Model No., Serial No. <sup>3</sup>		LT120					
Date of Construction, Reconstruction, or Modification (Month/Year) <sup>4</sup>		8/1/2015					
Maximum Throughput <sup>5</sup>	tons/hour	400					
	tons/year	300,000					
Material sized from/to: <sup>6</sup>		+24"/-3					
Average Moisture Content (%) <sup>7</sup>		2					
Control Device ID Number <sup>8</sup>		CS-FW					
Baghouse Stack Parameters <sup>9</sup>	height (ft)	N/A					
	diameter (ft)	N/A					
	volume (ACFM)	N/A					
	exit temp (F)	N/A					
	UTM Coordinates	N/A					
Maximum Operating Schedule <sup>10</sup>	hours/day	10					
	days/year	100					
	hours/year	750					

1. Enter the appropriate Source Identification Number for each crusher and screen. For example, in the case of an operation which incorporates multiple crushers, the crushers should be designated CR-1, CR-2, CR-3 etc. beginning with the breaker or primary crusher. Multiple screens should be designated S-1, S-2, S-3 etc.
2. Describe types of crushers and screens using the following codes:

HM	Hammermill	SS	Stationary Screen	DR	Double Roll Crusher
SD	Single Deck Screen	BM	Ball Mill	DD	Double-Deck Screen
RB	Rotary Breaker	TD	Triple Deck Screen	JC	Jaw Crusher
GC	Gyratory Crusher	OT	Other		
3. Enter the make, model number, and serial number of the crusher/screen.
4. Enter the date that each crusher and screen was constructed, reconstructed, or modified.
5. Enter the maximum throughput for each crusher and screen in tons per hour and tons per year.
6. Describe the nominal material size reduction (e.g. +2"/-3/8").
7. Enter the average percent moisture content of the material processed.
8. Enter the appropriate Control Device Identification Number for each crusher and screen. Refer to Table A - *Control Device Listing and Control Device Identification Number Instructions* in the *Reference Document* for Control Device ID prefixes and numbering.
9. Enter the appropriate stack parameters if a baghouse control device is used.
10. Enter the maximum operating schedule for each crusher and screen in hours per day, days per year and hours per year.

## CONVEYING AFFECTED SOURCE SHEET

[illegible]

1. Enter the appropriate Source Identification Number for each conveyor using the following codes. For example, multiple belt conveyors should be designated BC-1, BC-2, BC-3 etc. Transfer points are considered emission points, not sources, and should not be included in the *Conveying Affected Source Sheet*. Transfer Point Identification Numbers shall be assigned in the *Emission Calculation Sheet*.
 

BC	Belt Conveyor	BE	Bucket Elevator	DL	Drag-link Conveyor
PS	Pneumatic System	SC	Screw Conveyor	VC	Vibrating Conveyor
OT	Other				
2. Enter the date that each crusher and screen was constructed, reconstructed, or modified.
3. Enter the type of material being handled - Raw Material (RM) Sized Material (SM) Refuse (R) Other (O)
4. Enter the nominal size of the material being conveyed (e.g. sized material- ¾" x 0). If more than one material is handled by the listed conveyor, list each material and enter the appropriate data for each material.
5. Enter the maximum material transfer rate for each conveyor in tons per hour and tons per year.
6. Enter the average percent moisture content of the conveyed material.
7. Enter the control device for the conveyor. PE - Partial Enclosure (example ¾ hoop), FE - Full Enclosure, N - None

## STORAGE ACTIVITY AFFECTED SOURCE SHEET

Source Identification Number <sup>1</sup>	OS-1	OS-2	OS-3			
Type of Material Stored <sup>2</sup>	RM	SM	SM			
Average Moisture Content (%) <sup>3</sup>	2	2	2			
Maximum Yearly Storage Throughput (tons) <sup>4</sup>	130,000	130,000	87,000			
Maximum Storage Capacity (tons) <sup>5</sup>	15,000	15,000	10,000			
Maximum Base Area (ft <sup>2</sup> ) <sup>6</sup>	20,000 SF	25,000 SF	27,000 SF			
Maximum Pile Height (ft) <sup>7</sup>	20'	15'	10'			
Method of Material Load-in <sup>8</sup>	NA	NA	NA			
Load-in Control Device Identification Number <sup>9</sup>	TD	MC	MC			
Storage Control Device Identification Number <sup>9</sup>	SW-WS	SW-WS	SW-WS			
Method of Material Load-out <sup>8</sup>	NA	NA	NA			
Load-out Control Device Identification Number <sup>9</sup>	OT	FE	FE			

- Enter the appropriate Source Identification Number for each storage activity using the following codes. For example, if the facility utilizes three storage bins, four open stockpiles and one storage building (full enclosure), the Source Identification Numbers should be BS-1, BS-2, and BS-3; OS-1, OS-2, OS-3, and OS-4; and SB-1, respectively.  
 BS Bin or Storage Silo (full enclosure)      E3 Enclosure (three sided enclosure)  
 OS Open Stockpile      SB Storage Building (full enclosure)  
 SF Stockpiles with wind fences      OT Other
- Describe the type of material stored or stockpiled. (e.g. sized material, raw material, refuse, etc).
- Enter the average percent moisture content of the stored material.
- Enter the maximum yearly storage throughput for each storage activity.
- Enter the maximum storage capacity for each storage activity in tons (e.g. silo capacity, maximum stockpile size, etc.)
- For stockpiles, enter the maximum stockpile base area.
- For stockpiles, enter the maximum stockpile height.
- Enter the method of load-in or load-out to/from stockpiles or bins using the following codes:  
 CS Clamshell      SS Stationary Conveyor/Stacker  
 FC Fixed Height Chute from Bins      ST Stacking Tube  
 FE Front Endloader      TC Telescoping Chute from Bins  
 MC Mobile Conveyor/Stacker      TD Truck Dump  
 UC Under-pile or Under-Bin Reclaim Conveyor      PC Pneumatic Conveyor/Stacker  
 RC Rake or Bucket Reclaim Conveyor      OT Other
- Enter the appropriate Control Device Identification Number for each storage activity. Refer to Table A - *Control Device Listing and Control Device Identification Number Instructions* in the *Reference Document* for Control Device ID prefixes and numbering.

**Bizzack Construction, LLC**  
**3009 Atkinson Ave.**  
**Suite 200**  
**Lexington, KY 40509**  
**859-299-8001**

**Application for General Permit Registration**  
**G40-C Nonmetallic Minerals Processing**

**Attachment I:**  
**Emissions Calculations**

Include all information for each emission source and transfer point as listed in the permit application.

**Bizzack Construction, LLC**  
**Putnam County, WV**

Primary Crusher ID Number	Description	Maximum Material Processing Capacity		Control Device	Control Efficiency
		TPH	TPY	ID Number	%
CR-1	Lokotrack LT120 Jaw Crusher	400	300,000	CS-PW	90

[illegible][illegible]

## Page 2

		PM	PM-10
k =	Particle Size Multiplier (dimensionless)	0.74	0.35
U =	Mean Wind Speed (mph)	7	

[illegible]

**3. WIND EROSION OF STOCKPILES (including all stockpiles of raw coal, clean coal, coal refuse, etc.)**

Page 3

p =	number of days per year with precipitation >0.01 inch	157
f =	percentage of time that the unobstructed wind speed exceeds 12 mph at the mean pile height	20

Source ID No.	Stockpile Description	Silt Content of Material %	Stockpile base area Max. sqft	Control Device ID Number	Control Efficiency %
OS-1	Raw Material Stockpile	10	20,000	HR-WS	85
OS-2	Sized Material Stockpile	10	25,000	HR-WS	85
OS-3	Sized Material Stockpile	10	27,000	HR-WS	85

**4. UNPAVED HAULROADS (including all equipment traffic involved in process, haul trucks, endloaders, etc.)**

s =	silt content of road surface material (%)	10
p =	number of days per year with precipitation >0.01 inch	157
M <sub>dry</sub> =	surface material moisture content (%) - dry conditions	0.2

Item Number	Description	Number of wheels	Mean Vehicle Weight(tons)	Mean Vehicle Speed (mph)	Miles per Trip	Maximum Trips Per Hour	Maximum Trips Per Year	Control Device ID Number	Control Efficiency %
1									
2									
3									
4									
5									
6									
7									
8									

**5. INDUSTRIAL PAVED HAULROADS (including all equipment traffic involved in process, haul trucks, endloaders, etc.)**

sL =	road surface silt loading, (g/ft <sup>2</sup> )	70
P =	number of days per year with precipitation >0.01 inch	157

Item Number	Description	Mean Vehicle Weight (tons)	Miles per Trip	Maximum Trips Per Hour	Maximum Trips Per Year	Control Device ID Number	Control Efficiency %
1							
2							
3							
4							
5							
6							
7							
8							

## EMISSIONS SUMMARY

Name of applicant: Bizzack Construction, LLC  
 Name of plant: Putnam County, WV

### Particulate Matter or PM (for 45CSR14 Major Source Determination)

Uncontrolled PM		Controlled PM	
lb/hr	TPY	lb/hr	TPY

FUGITIVE EMISSIONS				
<i>Stockpile Emissions</i>	0.92	4.03	0.14	0.61
<i>Unpaved Haulroad Emissions</i>	0.00	0.00	0.00	0.00
<i>Paved Haulroad Emissions</i>	0.00	0.00	0.00	0.00
<b>Fugitive Emissions Total</b>	<b>0.92</b>	<b>4.03</b>	<b>0.14</b>	<b>0.61</b>

POINT SOURCE EMISSIONS				
<i>Equipment Emissions</i>	0.80	0.30	0.08	0.03
<i>Transfer Point Emissions</i>	6.60	2.48	1.32	0.50
<b>Point Source Emissions Total*</b>	<b>7.40</b>	<b>2.78</b>	<b>1.40</b>	<b>0.53</b>

\*Note: Point Source Total Controlled PM TPY emissions is used for 45CSR14 Major Source determination (see below)

<b>Facility Emissions Total</b>	<b>8.32</b>	<b>6.81</b>	<b>1.54</b>	<b>1.13</b>
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**\*Facility Potential to Emit (PTE) (Baseline Emissions) = 0.53**  
 (Based on Point Source Total controlled PM TPY emissions from above) ENTER ON LINE 26 OF APPLICATION

### Particulate Matter under 10 microns, or PM-10 (for 45CSR30 Major Source Determination)

Uncontrolled PM-10		Controlled PM-10	
lb/hr	TPY	lb/hr	TPY

FUGITIVE EMISSIONS				
<i>Stockpile Emissions</i>	0.43	1.90	0.06	0.28
<i>Unpaved Haulroad Emissions</i>	0.00	0.00	0.00	0.00
<i>Paved Haulroad Emissions</i>	0.00	0.00	0.00	0.00
<b>Fugitive Emissions Total</b>	<b>0.43</b>	<b>1.90</b>	<b>0.06</b>	<b>0.28</b>

POINT SOURCE EMISSIONS				
<i>Equipment Emissions</i>	0.40	0.15	0.04	0.02
<i>Transfer Point Emissions</i>	3.12	1.17	0.62	0.23
<b>Point Source Emissions Total*</b>	<b>3.52</b>	<b>1.32</b>	<b>0.66</b>	<b>0.25</b>

\*Note: Point Source Total Controlled PM-10 TPY emissions is used for 45CSR30 Major Source determination

<b>Facility Emissions Total</b>	<b>3.96</b>	<b>3.22</b>	<b>0.73</b>	<b>0.53</b>
---------------------------------	-------------	-------------	-------------	-------------

## Page 1

Primary Crusher ID Number	PM				PM-10			
	Uncontrolled		Controlled		Uncontrolled		Controlled	
	lb/hr	TPY	lb/hr	TPY	lb/hr	TPY	lb/hr	TPY
CR-1	0.800	0.300	0.080	0.030	0.400	0.150	0.040	0.015
0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
TOTAL	0.800	0.300	0.080	0.030	0.400	0.150	0.040	0.015

[illegible][illegible]

Crushing and Screening	PM				PM-10			
	Uncontrolled		Controlled		Uncontrolled		Controlled	
	lb/hr	TPY	lb/hr	TPY	lb/hr	TPY	lb/hr	TPY
TOTAL	0.800	0.300	0.080	0.030	0.400	0.150	0.040	0.015

**EMISSION FACTORS**

source: AP42, Fifth Edition, Revised 08/2004

(lb/ton of material throughput)

PM	
Primary Crushing	0.002
Tertiary Crushing	0.0054
Screening	0.025

PM-10	
Primary Crushing	0.001
Tertiary Crushing	0.0024
Screening	0.0087

## 2. Emissions From TRANSFER POINTS

[illegible]

## 2. Emissions From TRANSFER POINTS (continued)

Transfer Point ID No.	PM				PM-10			
	Uncontrolled		Controlled		Uncontrolled		Controlled	
	lb/hr	TPY	lb/hr	TPY	lb/hr	TPY	lb/hr	TPY
0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
TOTALS	6.601	2.475	1.320	0.495	3.122	1.171	0.624	0.234

### Source:

AP42, Fifth Edition, Revised 11/2006

13.2.4 Aggregate Handling and Storage Piles

Emissions From Batch Drop

$$E = k * (0.0032) * [(U/5)^{1.3}] / [(M/2)^{1.4}] = \text{pounds/ton}$$

Where:

		PM	PM-10
k =	Particle Size Multiplier (dimensionless)	0.74	0.35
U =	Mean Wind Speed (mph)		
M =	Material Moisture Content (%)		

Assumptions:

### k - Particle size multiplier

For PM (< or equal to 30um) k = 0.74

For PM-10 (< or equal to 10um) k = 0.35

### Emission Factor

For PM  $E = \frac{\$I\$88 * (0.0032) * ((((\text{Inputs!}\$I\$72)/5)^{1.3}) / (((\text{Inputs!}G78 + 0.000000001)/2)^{1.4}))}{\text{=lb/ton}}$

For PM-10  $E = \frac{\$J\$88 * (0.0032) * ((((\text{Inputs!}\$I\$72)/5)^{1.3}) / (((\text{Inputs!}G78 + 0.000000001)/2)^{1.4}))}{\text{=lb/ton}}$

For lb/hr  $[\text{lb/ton}] * [\text{ton/hr}] = [\text{lb/hr}]$

For Tons/year  $[\text{lb/ton}] * [\text{ton/yr}] * [\text{ton}/2000\text{lb}] = [\text{ton/yr}]$

### 3. Emissions From WIND EROSION OF STOCKPILES

Stockpile ID No.	PM				PM-10			
	Uncontrolled		Controlled		Uncontrolled		Controlled	
	lb/hr	TPY	lb/hr	TPY	lb/hr	TPY	lb/hr	TPY
OS-1	0.256	1.121	0.038	0.168	0.120	0.527	0.018	0.079
OS-2	0.320	1.401	0.048	0.210	0.150	0.658	0.023	0.099
OS-3	0.345	1.513	0.052	0.227	0.162	0.711	0.024	0.107
0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
TOTALS	0.921	4.035	0.138	0.605	0.433	1.896	0.065	0.284

**Source:**

*Air Pollution Engineering Manual*

Storage Pile Wind Erosion (Active Storage)

$$E = 1.7 \cdot [s/1.5] \cdot [(365-p)/235] \cdot [f/15] = (\text{lb/day/acre})$$

Where:

s =	silt content of material
p =	number of days with >0.01 inch of precipitation per year
f =	percentage of time that the unobstructed wind speed exceeds 12 mph at the mean pile height

**Emission Factors**

**For PM**  $E = (1.7) \cdot ((\text{Inputs!F147})/1.5) \cdot ((365 - \text{Inputs!I139})/235) \cdot ((\text{Inputs!I140})/15)$

**For PM-10**  $E = 0.47 \cdot (1.7) \cdot ((\text{Inputs!F147})/1.5) \cdot ((365 - \text{Inputs!I139})/235) \cdot ((\text{Inputs!I140})/15)$

**For lb/hr**  $[\text{lb/day/acre}] \cdot [\text{day/24hr}] \cdot [\text{base area of pile (acres)}] = \text{lb/hr}$

**For Ton/yr**  $[\text{lb/day/acre}] \cdot [365 \text{ day/yr}] \cdot [\text{Ton/2000lb}] \cdot [\text{base area of pile (acres)}] = \text{Ton/yr}$

#### 4. Emissions From UNPAVED HAULROADS

Item No.	PM				PM-10			
	Uncontrolled		Controlled		Uncontrolled		Controlled	
	lb/hr	TPY	lb/hr	TPY	lb/hr	TPY	lb/hr	TPY
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTALS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

##### Source:

AP42, Fifth Edition, Revised 11/2006

13.2.2 Unpaved Roads

Emission Estimate For Unpaved Haulroads at Industrial Sites (equation 1)

$$E = k \cdot ((s/12)^a) \cdot ((W/3)^b) = \text{lb/vmt}$$

Where:

		PM	PM-10
k =	particle size multiplier	4.90	1.50
a =	empirical constant	0.7	0.9
b =	empirical constant	0.45	0.45

##### Emission Factors

For PM  $E = ((\$I\$35) * (((Inputs!\$I\$163)/12)^{(\$I\$36)}) * (((Inputs!H171)/3)^{(\$I\$37)}))$

For PM-10  $E = ((\$J\$35) * (((Inputs!\$I\$163)/12)^{(\$J\$36)}) * (((Inputs!H171)/3)^{(\$J\$37)}))$

For lb/hr  $(\text{lb/vmt}) * (\text{miles per trip}) * (\text{Max trips per hour})$

For Ton/yr  $(\text{lb/vmt}) * (\text{miles per trip}) * (\text{Max trips per year}) * (1/2000)$

## 5. Emissions From INDUSTRIAL PAVED HAULROADS

Item No.	PM				PM-10			
	Uncontrolled		Controlled		Uncontrolled		Controlled	
	lb/hr	TPY	lb/hr	TPY	lb/hr	TPY	lb/hr	TPY
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTALS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

### Source:

AP42, Fifth Edition, Revised 11/2006  
13.2.1 PAVED ROADS

### Emission Estimate For Paved Haulroads

$$E = [k * (sL/2)^{0.65} * (W/3)^{1.5} - C] * (1 - (P/4*N)) = \text{lb / Vehicle Mile Traveled (VMT)}$$

Where:

		PM	PM-10
k =	particle size multiplier	0.082	0.016
sL =	road surface silt loading, (g/ft <sup>2</sup> )	70	
P =	number of days per year with precipitation >0.01 inch	157	
N =	number of days in averaging period	365	
C =	factor for exhaust, brake wear and tire wear	0.00047	0.00047

### Emission Factors

For PM	E=	(\$I\$34*((((\$I\$35)/2)^0.65)*(((Inputs!G190)/3)^1.5)-(\$I\$38))*(1-((Inputs!\$I\$18
For PM-10	E=	(\$J\$34)*((((\$I\$35)/2)^0.65)*(((Inputs!G190)/3)^1.5)-(\$I\$38))*(1-((Inputs!\$I\$
For lb/hr		(lb/vmt)*(miles per trip)*(Max trips per hour)
For Ton/yr		(lb/vmt)*(miles per trip)*(Max trips per year)*(1/2000)

**Bizzack Construction, LLC  
3009 Atkinson Ave.  
Suite 200  
Lexington, KY 40509  
859-299-8001**

**Application for General Permit Registration  
G40-C Nonmetallic Minerals Processing**

**Attachment J:  
Class I Legal Advertisement**

## **AIR QUALITY PERMIT NOTICE**

### **Notice of Application**

Notice is given that **Bizzack Construction, LLC** has applied to the West Virginia Department of Environmental Protection, Division of Air Quality, for a **Relocation Permit, General Permit Registration (G40-C)** for a **Portable Crushing Unit** located on **US-35 near the city of Buffalo**, in **Putnam** County, West Virginia. The latitude and longitude coordinates are: **38.637778, - 81.985**

The applicant estimates the potential to discharge the following Regulated Air Pollutants will be:

**Nitrogen Oxides (NO<sub>x</sub>) - 0.47 tpy**  
**Carbon Monoxide (CO) - 0.025 tpy**  
**Particulate Matter (PM) Uncontrolled - 6.81 tpy**  
**Particulate Matter (PM) Controlled - 1.13 tpy**  
**Particulate Matter-10 (PM-10) Uncontrolled - 3.22 tpy**  
**Particulate Matter-10 (PM-10) Controlled - 0.53 tpy**

Startup of operation is planned to begin on or about the **1st** day of **November, 2016**. Written comments will be received by the West Virginia Department of Environmental Protection, Division of Air Quality, 601 57<sup>th</sup> Street, SE, Charleston, WV 25304, for at least 30 calendar days from the date of publication of this notice.

Any questions regarding this permit application should be directed to the DAQ at (304) 926-0499, extension 1250, during normal business hours.

Dated this the **27<sup>th</sup>** day of **September, 2016**.

By: **Bizzack Construction, LLC**  
**Lester Wimpy**  
**Vice President**  
**3009 Atkinson Ave. Suite 200**  
**Lexington, KY 40509**

**Bizzack Construction, LLC  
3009 Atkinson Ave.  
Suite 200  
Lexington, KY 40509  
859-299-8001**

**Application for General Permit Registration  
G40-C Nonmetallic Minerals Processing**

**Attachment L:  
General Permit Application Fee**